



General Assembly

**Substitute Bill No. 6892**

January Session, 2005

\* HB06892GAE\_\_050505\_\_ \*

**AN ACT ENSURING THE SAFETY OF ELEVATORS, ESCALATORS  
AND LIFTS IN CONNECTICUT BY ADOPTING VARIOUS PROVISIONS  
OF THE NATIONAL MODEL ELEVATOR SAFETY ACT.**

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Subsection (a) of section 29-192 of the general statutes is  
2 repealed and the following is substituted in lieu thereof (*Effective*  
3 *October 1, 2005*):

4 (a) Each elevator or escalator used or intended for use in this state  
5 shall be constructed, equipped, maintained and operated, with respect  
6 to the supporting members, elevator car, shaftway, guides, cables,  
7 doors and gates, safety stops and mechanisms, locking mechanisms,  
8 electrical apparatus and wiring, mechanical apparatus, counterweights  
9 and all other appurtenances, so as to sustain safely the load which it is  
10 designed and intended to carry according to the provisions of this  
11 chapter and the regulations of the commissioner adopted in  
12 accordance with the provisions of chapter 54. In adopting such  
13 regulations, the commissioner may incorporate, by reference, the  
14 safety code for elevators and escalators, or any amendment thereto, as  
15 set forth by the American Society of Mechanical Engineers or  
16 standards concerning safety requirements for personnel hoists and  
17 employee elevators for construction and demolition operations, or any  
18 amendment thereto, as set forth by the American National Standards  
19 Institute.

20 Sec. 2. Section 29-195 of the general statutes is repealed and the  
21 following is substituted in lieu thereof (*Effective October 1, 2005*):

22 (a) Each elevator inspector employed by the department to inspect  
23 elevators and escalators shall be licensed as an unlimited elevator  
24 journeyman in accordance with chapter 393.

25 (b) Each elevator or escalator shall be thoroughly inspected by a  
26 department elevator inspector who meets the qualifications specified  
27 in subsection (a) of this section at least once each eighteen months,  
28 except private residence elevators, as defined in the regulations  
29 adopted pursuant to section 29-192, as amended by this act, shall be  
30 inspected upon the request of the owner. More frequent inspections of  
31 any elevator or escalator shall be made if the condition thereof  
32 indicates that additional inspections are necessary or desirable.

33 Sec. 3. Section 20-330 of the general statutes is repealed and the  
34 following is substituted in lieu thereof (*Effective October 1, 2005*):

35 As used in this chapter:

36 (1) "Contractor" means any person regularly offering to the general  
37 public services of such person or such person's employees in the field  
38 of electrical work, plumbing and piping work, solar work, heating,  
39 piping, cooling and sheet metal work, fire protection sprinkler systems  
40 work, elevator installation, repair and maintenance work, irrigation  
41 work, automotive glass work or flat glass work, as defined in this  
42 section;

43 (2) "Electrical work" means the installation, erection, maintenance,  
44 alteration or repair of any wire, cable, conduit, busway, raceway,  
45 support, insulator, conductor, appliance, apparatus, fixture or  
46 equipment that generates, transforms, transmits or uses electrical  
47 energy for light, heat, power or other purposes, but does not include  
48 low voltage wiring, not exceeding twenty-four volts, used within a  
49 lawn sprinkler system;

50 (3) "Plumbing and piping work" means the installation, repair,  
51 replacement, alteration or maintenance of gas, water and associated  
52 fixtures, laboratory equipment, sanitary equipment, other than  
53 subsurface sewage disposal systems, fire prevention apparatus, all  
54 water systems for human usage, sewage treatment facilities and all  
55 associated fittings within a building and includes lateral storm and  
56 sanitary lines from buildings to the mains, process piping, swimming  
57 pools and pumping equipment, and includes making connections to  
58 back flow prevention devices, and includes low voltage wiring, not  
59 exceeding twenty-four volts, used within a lawn sprinkler system, but  
60 does not include (A) solar work, except for the repair of those portions  
61 of a solar hot water heating system that include the basic domestic hot  
62 water tank and the tie-in to the potable water system, (B) the  
63 installation, repair, replacement, alteration or maintenance of fire  
64 prevention apparatus within a structure, except for standpipes that are  
65 not connected to sprinkler systems, and (C) medical gas and vacuum  
66 systems work. For the purposes of this subdivision, "process piping"  
67 means piping or tubing that conveys liquid or gas that is used directly  
68 in the production of a product for human consumption;

69 (4) "Solar work" means the installation, repair, replacement,  
70 alteration or maintenance of an active, passive or hybrid solar hot  
71 water heating system;

72 (5) "Heating, piping and cooling work" means (A) the installation,  
73 repair, replacement, maintenance or alteration of any apparatus for  
74 piping, appliances, devices or accessories for heating systems,  
75 including sheet metal work, and (B) the installation, repair,  
76 replacement, maintenance or alteration of air conditioning and  
77 refrigeration systems, boilers, including apparatus and piping for the  
78 generation or conveyance of steam and associated pumping  
79 equipment and process piping. Heating, piping and cooling work does  
80 not include solar work or medical gas and vacuum systems work. For  
81 the purposes of this subdivision, "process piping" means piping or  
82 tubing that conveys liquid or gas that is used directly in the production  
83 of a product for human consumption;

84 (6) "Apprentice" means any person registered with the Labor  
85 Department for the purpose of learning a skilled trade;

86 (7) "Elevator installation, repair and maintenance work" means the  
87 [installation, erection, maintenance and repair] erection, construction,  
88 installation, alteration, service, testing, repair, maintenance or  
89 demolition of all types of elevators, dumb waiters, platform lifts,  
90 stairway chairlifts, escalators [,] and moving walks and all mechanical  
91 equipment, fittings, associated piping and wiring from a source of  
92 supply brought to the equipment room by an unlimited electrical  
93 contractor for all types of machines used to hoist or convey persons or  
94 materials, but does not include (A) temporary hoisting machines used  
95 for hoisting materials in connection with any construction job or  
96 project, (B) the removal or dismantling of conveyances destroyed  
97 during the demolition of a building or structure, or (C) the demolition  
98 of a hoistway or wellway to the basic supporting structure where no  
99 access by the general public is permitted;

100 [(8) "Elevator maintenance" means the lubrication, inspection and  
101 replacement of controls, hoistway and car parts;]

102 [(9)] (8) "Fire protection sprinkler systems work" means the layout,  
103 on-site fabrication, installation, alteration, maintenance or repair of any  
104 automatic or manual sprinkler system designed for the protection of  
105 the interior or exterior of a building or structure from fire, or any  
106 piping or tubing and appurtenances and equipment pertaining to such  
107 system including overhead and underground water mains, fire  
108 hydrants and hydrant mains, standpipes and hose connections to  
109 sprinkler systems, sprinkler tank heaters excluding electrical wiring,  
110 air lines and thermal systems used in connection with sprinkler and  
111 alarm systems connected thereto, foam extinguishing systems or  
112 special hazard systems including water spray, foam, carbon dioxide or  
113 dry chemical systems, halon and other liquid or gas fire suppression  
114 systems, but does not include (A) any engineering design work  
115 connected with the layout of fire protection sprinkler systems, or (B)  
116 any work performed by employees of or contractors hired by a public

117 water system, as defined in subsection (a) of section 25-33d;

118 [(10)] (9) "State Fire Marshal" means the State Fire Marshal or any  
119 member of the Division of State Police to whom the Commissioner of  
120 Public Safety has delegated powers under section 29-291;

121 [(11)] (10) "Journeyman sprinkler fitter" means a specialized pipe  
122 fitter craftsman, experienced and skilled in the installation, alteration,  
123 maintenance and repair of fire protection sprinkler systems;

124 [(12)] (11) "Irrigation work" means making the connections to back  
125 flow prevention devices, and low voltage wiring, not exceeding  
126 twenty-four volts, used within a lawn sprinkler system;

127 [(13)] (12) "Sheet metal work" means the installation, erection,  
128 replacement, repair or alteration of duct work systems, both ferrous  
129 and nonferrous;

130 [(14)] (13) "Journeyman sheet metal worker" means an experienced  
131 craftsman skilled in the installation, erection, replacement, repair or  
132 alteration of duct work systems, both ferrous and nonferrous;

133 [(15)] (14) "Automotive glass work" means installing, maintaining or  
134 repairing fixed glass in motor vehicles;

135 [(16)] (15) "Flat glass work" means installing, maintaining or  
136 repairing glass in residential or commercial structures; and

137 [(17)] (16) "Medical gas and vacuum systems work" means the work  
138 and practice, materials, instrumentation and fixtures used in the  
139 construction, installation, alteration, extension, removal, repair,  
140 maintenance or renovation of gas and vacuum systems and equipment  
141 used solely to transport gases for medical purposes and to remove  
142 liquids, air-gases or solids from such systems.

143 Sec. 4. Subsection (c) of section 20-331 of the general statutes is  
144 repealed and the following is substituted in lieu thereof (*Effective*  
145 *October 1, 2005*):

146 (c) The Heating, Piping, Cooling and Sheet Metal Work Board shall  
147 consist of twelve members who shall be residents of this state and,  
148 except as otherwise provided in this subsection, (1) one of whom shall  
149 be a general contractor or an unlimited contractor licensed to perform  
150 heating, piping and cooling work under this chapter, (2) two of whom  
151 shall be unlimited contractors licensed to perform heating, piping and  
152 cooling work under this chapter, neither of whom at the time of  
153 appointment shall be a member or an employee of a member of a trade  
154 union or a party or an employee of a party to a contract with a trade  
155 union, (3) one of whom shall be a limited contractor licensed to  
156 perform sheet metal work under this chapter, provided such member's  
157 powers and duties on the board shall be limited to matters concerning  
158 sheet metal work, as defined in [subdivision (13) of] section 20-330, as  
159 amended by this act, (4) three of whom shall be unlimited journeymen  
160 licensed to perform heating, piping and cooling work under this  
161 chapter, who at the time of appointment shall be members of a trade  
162 union, (5) one of whom shall be a journeyman sheet metal worker,  
163 who at the time of appointment shall be a member of a trade union,  
164 provided such member's powers and duties shall be limited to matters  
165 concerning sheet metal work, as defined in [subdivision (13) of] section  
166 20-330, as amended by this act, and (6) four of whom shall be public  
167 members. Each person who is a member of the board on October 1,  
168 1999, shall continue to serve at the pleasure of the Governor.

169 Sec. 5. Subsection (e) of section 20-331 of the general statutes is  
170 repealed and the following is substituted in lieu thereof (*Effective*  
171 *October 1, 2005*):

172 (e) The Elevator Installation, Repair and Maintenance Board shall  
173 consist of eight members who shall be residents of this state, [three]  
174 two of whom shall be unlimited contractors [,] and two of whom shall  
175 be unlimited elevator [craftsmen] journeymen, licensed for such  
176 occupation under this chapter, one of whom shall represent an elevator  
177 trade labor organization and three of whom shall be public members. [,]  
178 provided at least one of the unlimited contractors shall be a member of  
179 either the National Association of Elevator Contractors or the National

180 Elevator Industries, Incorporated.]

181 Sec. 6. Subsection (a) of section 20-334a of the general statutes is  
182 repealed and the following is substituted in lieu thereof (*Effective*  
183 *October 1, 2005*):

184 (a) Except as otherwise provided in this section, the following  
185 licenses may be issued by the Department of Consumer Protection,  
186 upon authorization of the boards, under the provisions of section  
187 20-333:

188 (1) (A) An unlimited contractor's license may be issued to a person  
189 who has served as a journeyman in the trade for which such person  
190 seeks a license for not less than two years and, if such service as a  
191 journeyman was outside this state, has furnished evidence satisfactory  
192 to the appropriate state board that such service is comparable to  
193 similar service in this state, or has furnished satisfactory evidence of  
194 education and experience and has passed an examination which has  
195 demonstrated that such person is competent in all aspects of such  
196 trade to be an unlimited contractor. (B) A limited contractor's license  
197 may be issued to a person who fulfills the requirements of  
198 subparagraph (A) of this subdivision as to a specific area or areas  
199 within the trade for which such person seeks a license. (C) The holder  
200 of an unlimited or a limited contractor's license may, within the trade,  
201 or the area or areas of the trade, for which such holder has been  
202 licensed, furnish supplies and do layout, installation, repair and  
203 maintenance work and distribute and handle materials, provided  
204 nothing in this subdivision shall be construed to authorize the  
205 performance of any action for which licensure is required under the  
206 provisions of chapter 390 or 391. Such licensee shall furnish the board  
207 with evidence that such licensee will comply with all state  
208 requirements pertaining to workers' compensation and unemployment  
209 insurance and that such evidence shall be available to any properly  
210 interested person prior to the issuance of a license under this  
211 subdivision.

212 (2) (A) An unlimited journeyman's license may be issued to any  
213 person who has completed a bona fide apprenticeship program,  
214 including not less than four years' experience in the trade for which  
215 such person seeks a license, and has demonstrated such person's  
216 competency to perform all services included in the trade for which a  
217 license is sought by successfully completing the applicable state  
218 licensure examination. (B) A limited journeyman's license may be  
219 issued to a person who fulfills the requirements of subparagraph (A) of  
220 this subdivision in a specific area or areas of the trade for which such  
221 person seeks a license, provided the length of experience required may  
222 be less than four years for such area or areas of the trade.

223 [(3) (A) An elevator craftsman's license may be issued to any person  
224 who has completed an apprenticeship program, has at least two years'  
225 experience in elevator installation, repair and maintenance work and  
226 has demonstrated such person's competency to perform such work. (B)  
227 An elevator helper's license may be issued for the performance of  
228 elevator maintenance under the supervision of an elevator craftsman.]

229 [(4)] (3) An apprentice's permit may be issued for the performance  
230 of work in a trade licensed under the provisions of this chapter, for the  
231 purpose of training, which work may be performed only under the  
232 supervision of a licensed contractor, journeyman or unlimited elevator  
233 [craftsman] journeyman.

234 [(5)] (4) An apprentice permit shall expire upon the failure of the  
235 apprentice holding such permit to apply for the first licensure  
236 examination given by the department following completion of an  
237 apprentice training program as provided in subdivision (2) of this  
238 subsection.

239 Sec. 7. Subsection (c) of section 20-334a of the general statutes is  
240 repealed and the following is substituted in lieu thereof (*Effective*  
241 *October 1, 2005*):

242 (c) The following licenses for fire protection sprinkler systems work  
243 may be issued by the department: (1) A fire protection sprinkler



244 contractor's license may be issued to a person who provides  
245 satisfactory evidence of education and experience in fire protection  
246 sprinkler systems work, as defined in [subdivision (9) of] section 20-  
247 330, as amended by this act, and who has passed an examination  
248 which has demonstrated competence in all aspects of such trade.  
249 Applicants for such license shall complete a form provided by the  
250 commissioner; and (2) a journeyman sprinkler fitter's license may be  
251 issued to a person who has completed a bona fide apprenticeship  
252 program pursuant to section 20-334c, and who has not less than four  
253 years experience in fire protection sprinkler systems work, as defined  
254 in [subdivision (9) of] section 20-330, as amended by this act, or who  
255 has been licensed under this section, and has passed an examination  
256 which has demonstrated competence in all aspects of such trade.  
257 Applicants for such license shall complete a form provided by the  
258 department.

259 Sec. 8. Section 20-334d of the general statutes is repealed and the  
260 following is substituted in lieu thereof (*Effective October 1, 2005*):

261 (a) As used in this section:

262 (1) "Accredited continuing professional education" means any  
263 education of an electrician, [or] plumber or unlimited elevator  
264 journeyman that is designed to maintain professional competence in  
265 the pursuit, practice and standards of electrical work, [or] plumbing  
266 and piping work or elevator installation, repair and maintenance work  
267 and that is approved by the commissioner and is provided by an  
268 organization, institution or agency that is approved by the  
269 commissioner;

270 (2) "Certificate of continuing education" means a document issued  
271 to an electrician, [or] plumber or unlimited elevator journeyman by an  
272 organization, institution or agency approved by the commissioner that  
273 offers accredited continuing professional education, which (A) certifies  
274 that an electrician, [or] plumber or unlimited elevator journeyman has  
275 satisfactorily completed a specified number of continuing education

276 hours, and (B) bears the name of such organization, institution or  
277 agency, the title of the program, the dates during which the program  
278 was conducted, the number of continuing education hours  
279 satisfactorily completed and the signature of the director of such  
280 organization, institution or agency or the signature of the director's  
281 authorized agent;

282 (3) "Commissioner" means the Commissioner of Consumer  
283 Protection.

284 (b) The commissioner, with the advice and assistance of the  
285 Electrical Work Board established pursuant to subsection (b) of section  
286 20-331, shall adopt regulations, in accordance with chapter 54, to (1)  
287 establish requirements for accredited continuing professional  
288 education for electricians licensed pursuant to sections 20-330 to 20-  
289 341, inclusive; (2) establish qualifying criteria for accredited continuing  
290 professional education programs and establish qualifying criteria for  
291 acceptable certificates of continuing education; and (3) provide for the  
292 waiver of required accredited continuing professional education for  
293 electricians for good cause.

294 (c) The commissioner, with the advice and assistance of the  
295 Plumbing and Piping Work Board established pursuant to subsection  
296 (d) of section 20-331, shall adopt regulations, in accordance with  
297 chapter 54, to (1) establish requirements for accredited continuing  
298 professional education for plumbers licensed pursuant to sections 20-  
299 330 to 20-341, inclusive; (2) establish qualifying criteria for accredited  
300 continuing professional education programs and establish qualifying  
301 criteria for acceptable certificates of continuing education; and (3)  
302 provide for the waiver of required accredited continuing professional  
303 education for plumbers for good cause.

304 (d) The commissioner, with the advice and assistance of the Elevator  
305 Installation, Repair and Maintenance Board established pursuant to  
306 subsection (e) of section 20-331, as amended by this act, shall adopt  
307 regulations, in accordance with chapter 54, to (1) establish

308 requirements for accredited continuing professional education for  
 309 unlimited elevator journeymen licensed pursuant to sections 20-330 to  
 310 20-341, inclusive, as amended by this act; (2) establish qualifying  
 311 criteria for accredited continuing professional education programs and  
 312 establish qualifying criteria for acceptable certificates of continuing  
 313 education; and (3) provide for the waiver of required accredited  
 314 continuing professional education for unlimited elevator journeymen  
 315 for good cause.

316 Sec. 9. Subsection (g) of section 20-340b of the general statutes is  
 317 repealed and the following is substituted in lieu thereof (*Effective*  
 318 *October 1, 2005*):

319 (g) A registered public service technician may not supervise any  
 320 duly registered apprentice performing work under a permit issued  
 321 pursuant to [subdivision (4) of] subsection (a) of section 20-334a, as  
 322 amended by this act.

323 Sec. 10. Subsection (g) of section 20-540 of the general statutes is  
 324 repealed and the following is substituted in lieu thereof (*Effective*  
 325 *October 1, 2005*):

326 (g) A registered public service gas technician may not supervise any  
 327 duly registered apprentice performing work under a permit issued  
 328 pursuant to [subdivision (4) of] subsection (a) of section 20-334a, as  
 329 amended by this act.

This act shall take effect as follows and shall amend the following sections:

Section 1	<i>October 1, 2005</i>	29-192(a)
Sec. 2	<i>October 1, 2005</i>	29-195
Sec. 3	<i>October 1, 2005</i>	20-330
Sec. 4	<i>October 1, 2005</i>	20-331(c)
Sec. 5	<i>October 1, 2005</i>	20-331(e)
Sec. 6	<i>October 1, 2005</i>	20-334a(a)
Sec. 7	<i>October 1, 2005</i>	20-334a(c)
Sec. 8	<i>October 1, 2005</i>	20-334d

Sec. 9	<i>October 1, 2005</i>	20-340b(g)
Sec. 10	<i>October 1, 2005</i>	20-540(g)

**PS**        *Joint Favorable Subst.*

**LAB**      *Joint Favorable*

**GL**        *Joint Favorable*

**GAE**      *Joint Favorable*